

The

JUG


 CLUB REPEATERS W6RGG/R  
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## Next Meeting

Friday, January 21

Hewlett Packard Cafeteria Santa Clara

Pizza at 6:30 7:30 Program

Larry Word will discourse on

**"DSP by NF6S"**

Directions and Map on Page 2

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## Approaching Contests

All in QST, Jan. p. 127, except as noted

### JANUARY

15-16	HA DX Contest	QST, Dec. p. 129
	NA QSO Party PH	QST, Dec. p. 129
22-24	ARRL Jan. VHF SS	QST, Dec. p. 128
28-30	CQ WW 160m CW	QST, Dec. p. 129
29-Feb.6	ARRL Novice Roundup	

### FEBRUARY

5-7	NA Sprint CW	
12-14	NA Sprint PH	
	YL-OM Contest PH	
19-20	ARRL DX Contest CW	QST, Dec. p. 125
26-28	CQ WW 160m PH	QST, Dec. p. 129
	RSGB 7-mHz Contest	
	REF French PH	QST, Dec. p. 130
	YL-OM Contest CW	

de AE6Y

Steve Thomas, N6ST

## Presidential Proclamations

Happy New Year to all. I realized after looking at the SH/CONTEST database on PacketCluster AE the other morning that I have been incorrect in thinking that the contest season ends at the conclusion of the 10 meter contest. By looking at the contest listings by month, I discovered that July and December are the only two months that aren't contest season (at least if you judge by the number of contests in those months). If you don't know about SH/CONTEST yet, now is a good time to start. March right over to your computer and type SH/CONTEST JAN to get a list of all the DX related contests in January. What! You say you aren't logged onto the Cluster?

You can get more details of a particular contest by typing the name of the contest shown in the monthly listing rather than the month. Try SH/CONTEST FOOLS as an example. (I don't know if the Fools contest is a real one, but as a director of the NCDXF I can certainly support the entry protocol.) There are an astonishing number of contests and QSO Parties shown in the listings. There are a few more major contests between now and Summer, but if you wanted to, you could enter a contest just about every weekend. I expect our members could use some of these small contests to hone skills and experiment with station layouts, equipment etc. I'd bet if you look at the list you could find a contest that will excite your interest and, very likely, yield some nice wallpaper for your efforts.

Now is the time to start searching your closets for a hat to toss into the ring to for the NCCC elections that are coming up in another 3 or 4 months. There are many high powered individuals in this club and I expect we will have no difficulty developing a slate of officers for next year. Since an officer can't replace himself, there is the continual need to renew the club by getting individuals who are not jaded by being an officer for so long that they "just know" how it should be done. This is not a difficult club to manage since the members are positive self-starters and, in my experience, not prone to petty complaints. If you are willing to serve, please let any of the officers know. I'll be around for another year as a Director in the position of Past-President.

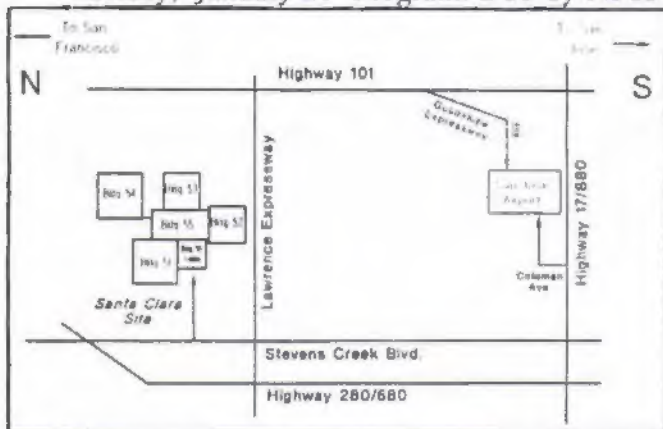
We are still in search of places in the East Bay to hold meetings. If you know of anything please call or send a message on the DXPSN.





## Directions and Map Next Meeting

Friday, January 21 Program: DSP by NF6S



From North on 280, exit at Stevens Creek Blvd., turning left onto Stevens Creek, and left at first stop light.

From South on 280, exit Lawrence Expressway, take middle lane and make left turn onto Stevens Creek.

## LLOYD COLVIN 1915-1993

I know I speak for the entire NCCC in expressing my sorrow at the passing of a man who was a true legend. Lloyd Colvin, W6KG, died in Turkey last month of a stroke while he and Iris, W6QL, were on one of their annual see-the-world-in-depth tours. The first time I worked Lloyd, I was still in high school (1964) and he and Iris were operating as VR1Z with W6RGG answering QSL cards. What a life! Visiting more countries than most common folks have ever heard of and operating from more than 100 of them while meeting the people and learning about the way of life in those places. They were always eager to share that they had learned by giving programs at the International DX Convention and other gatherings. Lloyd will certainly be missed.

Steve N6ST

### NORTHERN CALIFORNIA CONTEST CLUB

President, Steve Thomas, N6ST

Vice-President/Contest Chr, Andy Faber, AE6Y

Sec/Treas, Bruce Sawyer AA6KX

Director, Al Maenchen, AD6E

Director, John Zapisek, K2MM

Director, Bob Wilson, N6TV

Director, Ed Muns, W0YK

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The JUG is the official journal of the NCCC, published monthly. Copies are mailed to members whose dues are up-to date. Material submitted for publication must be received no later than the last Monday of the month.

de W6ISQ

## Bulletin Board

**Urgent message to VP/CC:** Andy, hey, you mentioned you might have missed someone who qualified for a cap. Well, you did--ME. I qualified with 321-917-821an' I wanna cap!

**Dave, W6QHS,** attended a meeting wearing a white shirt and tie. He had a coat on as well. The JUG captured it on film, the request of YF Barb. See Page 7. **KK6KM,** Santa Tom, **N6BT** was impressed. He let Dave take home the five gal bucket.

**de WA6SDM.** Just got the (December) JUG, looked at the past meeting write-up and horrors! 500 Qs disappeared from my score! I am sure the problem was that the FRAMSTAT co-processor of the VIRTUAL CACHE MEMORY controller chip in your confuser did an illogical shift right and skipped the PARITY BIT. Naw, Jim, I just hit to wrong key. Sorry.

**New Year's Revolutions.** We packeted out the questions:

a) what are you going to do for NCCC in '94? b) what is your '94 resolution to upgrade your station?

**KA6ING:** I have been working for NCCC for 10 years.

When is NCCC going to do something for me?

**W6NLG:** I'll really help by getting in at least one contest.

**AE6Y:** a) Improve the literary quality of my "pomes". b) improve my contest scores: calculate score using base 8.

**K6PU:** I'm working on CQP write-up. Is that enough?

**AA6MC:** Do better in SS. New **N6BT** "Nomad" + 80 M dipole... (my) tower's up, passed inspection. Installed toroids.

**N6TV:** I will run for VP/CC if **W6QHS** runs for president.

(also) I will try to stay awake for the entire contest.

**W6BSY:** Make better CQP score than my '93 showing.

**N4TQO:** recruit new ops for M/S activities, and more NCCCers onto the Internet Contest Reflector, and get a shorter call sign.

**N6IP:** a) use any and all means to improve my RF path to EU and East USA, b) support **W6QHS** for pres, **N6TV/VP**

**KI3V/7:** "Goal for '94...bigger and better antennas for '94...7 million points for NCCC...all this and stay married.

**AA6YX:** a) join NCCC. b) move to an antenna free zone!.

Please, How can I join the NCCC! I enjoy contesting and would like to be in a group that has the same interests.

**N6EE (Ron in Turlock):** Enter all NCCC targeted contests Those with CW and SSB weekends, enter the CW weekend, too even tho I'm a phone only contester. DXing in the CW sub-bands getting my comfort level to 30 wpm.

**N6EK:** No complaining about limericks that don't rhyme and poems that don't scan.

**WA6SDM:** For 1994 I plan to still contribute helping on CQP and to get more Qs in SS. (also) become a better CW operator and put up better antennas.

**W6CF:** (Garbled ans looks like ) "out of room in 3 garages. Quit collecting radio books, mags, Going back to IRCs."

**KC6NFE:** for the good of NCCC bake more DUBS in '94 and get my speed up to 12 wpm. (psst! ISQ made me say it.)  
**W6ISQ:** I will make sure **KC6NFE** keeps her resolutions!



de AE6Y

## Andy's Adages



The main December event (outside of the 10-meter and 160-meter contests) was the grand NCCC Holiday Banquet, presumably reported upon elsewhere in this issue. Santa Schiller's "pin the tail on the county" game was a big hit: It was fascinating to see where all those darn California counties that we so blithely know add up to 58 actually are located. Yours truly got soundly embarrassed in attempting to locate Colusa County, but was rescued by Bruce, AA6KX, who not only knows where it is on the map, but also all the hot operating locations therein. For those of you who missed the official holiday double-toast (in all its non scanning glory)

Here's to the the N triple C  
We kicked butt in 1993. [quaff beverage]  
May each and every member find  
Good health, high scores and peace of mind,  
And a brand new, gift-wrapped. Force 12 four  
element, 40-meter yagi on a 72-foot boom—  
under the tree! [quaff beverage]

### NCCC Competition Hat Awards

The current list for team hats is as follows (note a few changes from last month's column—I'm still not sure it's complete): W6BIP, W1FEA, N6IP, AA6KX, WA8LLY, AA6MC, K2MM, W6OAT, WA6SDM, NI6T, N6TV, AE6Y, N6ZB. Congrats all! I'm sure there must be others, so contact me if I've left you out (need 1000 Q's total in CQP, SSCW and SSPH, with 150 min in each). Hard luck story award goes to Garry, NI6T, who inadvertently trashed his SS phone log (with 108k pts), and was unable to recover it despite heroic efforts by himself, K2MM, and others. (See story elsewhere.)

### Club Entries

It's questionable whether we have repeated as winners of the club competition in SS. There are rumored to be strong challenges from Frankford RC and Southern California Contest Club. Last year we had 9.0M points from 94 entries. This year, only 7.7M (approx) from 74 entries. Score is 453,000 points lower than it should be due to inability to count W6QHS's score (due to guest op residing outside of our club territory) and the disk problem mentioned above. We know what we have to do next year: (1) beat the bushes harder for activity, (2) put up those Force 12 40-meter yagis. As of now, the club score for CQ WW is 70-80 million combined points.

Remember: YOU MUST INDICATE THE CLUB NAME ON YOUR SUMMARY SHEETS SENT TO ARRL (if you didn't, send 'em a correction)!! Also note, sending scores to me only gets you in the JUG and 5 meg award through AD6E, but your score doesn't get in QST or count for club competition unless you send it to ARRL. We'll be submitting club entries this year for ARRL 10-meter and 160-meter contests, and CQWW as well, so be sure to tell them you're NCCC.

### CQ WW PHONE Scores (SO=Single op, S/A= Single-op assisted)

Call	QSO's	Zn	C	Score	Class
WR6R/KH6	4460	127	256	5,044,110	SO
VP2EJ	4374	103	319	4,528,482	SO-LP
(WB6CJE OP)					
KI3V/7	1288	148	390	1,813,598	S/A
K6GSS/KH6	1750	79	123	1,027,000	SO-LP
AA6MC	931	134	310	1,132,200	S/A
(@N6TV)					
W6FSJ	518	101	195	430,088	SO
WX6M	529	92	160	348,768	SO
K6XO	459	86	169	339K	S/A
K6SG	400	196	Z+C	315,320	S/A?
AA6KX	430	96	188	302,744	SO
N6DA	395	76	140	231,552	S/A
K6PU	245	80	144	147,840	S/A
NG6X	212	53	89	82,218	SO
WA6SDM	172	42	63	50,085	S/A
WA8LLY/6	103	45	62	29,318	SO-LP
K6MA	80	26	35	11,590	SO
N2ALE/6	63	21	20	5,494	SO-LP
VE7SZ	2850	31	120	1.03M	15
(VE7NTT OP)					
C31LJ	1740	27	103		20
(AB6WM OP)					
W6BSY	580	31	97	216,832	15
K6HNZ	309	28	56	75,432	40
EA9UK	14K			36M	M/M
(N6TJ, N6KT, WN4KKN, W6QHS, KK6QM)					
W6REC	1416		118 281	1,556,100	M/S
(+KN6SO, WV6U)					
K7YNO	1392		120 300	1,521,660	M/S
(K7YNO, K2MM, N7STU, NI6T, AB6EQ)					
W6EEN	1116		118 259	1,127,984	M/S
(+K6XC, K6KAP—SCCC)					
W6OAT	487		128 305	560,735	M/S
(+W6RGG)					

### CQ WW CW Scores (SO=Single op, S/A= Single-op assisted)

Call	QSO's	Zn	C	Score	Class
HD9N	4848	145	423	8,097,976	SO
(WN4KKN op)					
W6EEN	2068	142	315	2,452,719	SO
(KA6SAR OP, SCCC)					
AB6WM	520	106	215	452,610	S/A
NF6S	570	104	174	451,194	SO
W6BIP	436	111	238	406,585	SO
W6OAT	388	115	244	376,591	S/A
W6FSJ	396	102	179	304,323	SO
N6TV	577	66	107	280,260	SO
N6DA	384	90	163	270,457	SA-LP



Call	QSO's	Zn	C	Score	Class
NI6T	333	97	170	241,902	S/A
WR6R	274	104	198	224,990	S/A
AJ6V	305	78	127	172,200	S/A
AA6MC	255	89	148	156,657	S/A
K6PU	206	93	138	125,664	S/A
WA8LLY/6 107		63	81	41,040	SA-LP
W6FAH	82	51	54	16,275	SO-LP
CH7SZ	2217	36	118	827K	20
(VE7NTT OP)					
N6RO	1145	39	122	527,758	40
W6QHS	759	33	102	290,655	15
W6BSY	364	31	80	113,220	15
VP9AD	6124	152	507	9,852,709	M/S
(KI3V, N3AD, N3RD)					
4M5I	6260	147	478	11,620,000	M/M
(WM2C + 4 ops)					
AG6D	2330	157	375	3,337,768	M/M
(+N4TQO, K2MM, WA6BXH, N6IP, AA6KX, KG6GF)					
W6REC	1154	123	246	1,175,265	M/S
(+KN6SO, WC6H, N6WCW)					

#### SS Phone Scores

(class: A= Lo pwr, B=Hi pwr, MS=multi/op, assisted, etc)

Call	QSO's	M	Score	Class
KI3V	2281	77	351,274	B
W6QHS	2241	77	345,114	B
(KM9P Op—doesn't count for NCCC)				
WC6H	2042	77	314,468	B
N3AHA	1630	77	251,020	B
W1FEA	1565	77	241,010	A
AA6KX	1520	77	234,080	B
KS6H/7	1229	77	189,266	B
(Wyo —doesn't count for NCCC)				
W6BSY	1120	77	172,480	B
KI6CG	1100	77	169,400	B
KJ6DL	1041	77	160,314	B
WR6R	1063	74	157,324	A
AB6WM	962	77	148,148	B
W6BIP	947	75	142,050	B
AE6Y	890	76	135,280	A
W6ISQ	821	77	126,434	B
NI6T	721	75	108,150	B
(valiant effort, but trashed disk)				
WA6SDM	595	77	91,360	B
K6PJY	586	76	89,072	B
AD6E	568	77	87,471	A
N6XI	505	76	76,760	B
W6REC	500	75	75,000	B
WA8LLY/6471		77	72,534	A
N6WFK	475	76	72,200	B
N6IP	460	77	70,840	B

Call	QSO's	M	Score	Class
N6ZB	442	73	64,532	A
KN6BD	406	73	59,276	A
NF6S	388	71	55,096	A
W6FAH	319	77	49,126	A
K7YNO	350	70	49,000	B
AJ6T	320	72	46,080	B
N6GRJ	261	73	38,106	A
KE6ARG	179	61	21,838	B
N2ALE	152	56	17,024	A
K2MM	160	51	16,320	B
WW6D	101	54	10,908	A
N6PN	90	37	6,660	A
KA6ING	57	29	3306	B
W6EEN	1988	77	306,152	M/S
(+K6XC, KA6SAR —SCCC)				
N6TV	1591	77	245,014	MS
(+AA6MC, N1EE)				
NV6O	1496	77	230,384	MS
(River City Contesters)				
W6OAT	1105	77	170,179	MS-A
(+W6RGG)				
N6EE	218	74	32,264	MS-A

#### SS CW Scores

(class: A= Lo pwr, B=Hi pwr, MS=multi/op, assisted, etc)

Call	QSO's	M	Score	Class
N6TV	1313	77	202,202	B
W6EEN	1291	77	198,814	B
(KA6SAR OP, SCCC)				
VE7SZ	1256	77	193,424	B
(VE7NTT OP, Doesn't count for NCCC)				
W6QHS	1248	77	192,192	B
N6RO	1248	77	192,192	B
K6KM(WM2C)				
	1199	77	184,646	B
W1FEA	1106	77	170,324	A
AA6KX	1094	77	168,476	B
AA6WJ	1068	77	164,472	B
K2MM	1038	77	159,852	B
W6OAT	910	77	140,140	A
W6ISQ	917	75	137,550	B
WA6AUE	900	76	136,800	B
K6PJY	831	77	127,974	B
AE6Y	803	77	123,662	A
N6ZB	758	77	115,962	B
N6IP	765	75	114,750	B
W6RGG	719	76	109,288	A
K6SG	714	75	107,100	B
KS6H/7	713	74	105,524	B
(Idaho — doesn't count for NCCC)				
N6PN	683	76	103,816	A
AA6MC	682	76	103,664	A



<u>Call</u>	<u>QSO's</u>	<u>M</u>	<u>Score</u>	<u>Class</u>
W6BSY	667	77	102,718	B
NI6T	515	77	79,316	B
N6DA	431	75	64,650	A
W6XX	424	67	56,816	B
AA6QY	349	69	48,162	A
W6REC	299	72	43,056	Q
WA8LLY/6	231	72	33,264	A
N6WFK	252	58	29,232	B
AJ6V	197	63	24,822	B
K6MA	191	59	22,538	A
KJ6DL	203	53	21,518	A
N6EE	154	68	20,944	A
WA6SDM	161	56	18,032	B
WW6D	151	55	16,610	A
WN4KKN/6	28	19	1,064	A
N2ALE	1	1	2	A
W6BIP	1048	77	161,392	MS
(+N1EE)				
NV6O	666	77	102,564	MS
(ROUGH TOTAL 7.701M)				

#### ARRL 160 METER CONTEST

<u>Call</u>	<u>QSO</u>	<u>Sec</u>	<u>Score</u>	<u>Class</u>
N6RO	268	59	32,686	SO
NI6T	227	57	28,609	SO
W6FSJ	244	50	27,486	SO
W6BIP	232	43	20,081	SO-LP
WA8LLY/6	90	28	5,040	SO-LP

#### ARRL 10 METER CONTEST

<u>Call</u>	<u>QSO</u>	<u>Sec</u>	<u>Cty</u>	<u>Score</u>	<u>Class</u>
W1FEA	1502	97	53	620,400	SO
NF6S	527	51	15	139,656	SO
KJ6DL	349	84		91,392	SO-LP
KI3V				76K	
NV6O	197	51	13	33,024	SO-LP
K2MM	180	49	13	34,720	SO
WA6SDM	68	29	10	7722	SO
N2ALE	55	23		2540	SO-LP
KA6ING	1	1		2	

Send all scores to me by DXPSN packet or by mail to:  
 Andy Faber  
 16321 Ridgecrest Ave.  
 Monte Sereno CA 95030.  
 (408) 395-9193

73 and KB, Andy, AE6Y

de NI6T

## Tales of True Woe

Despite owning, struggling with, and being repeatedly hung out to dry by personal computers for nine years, I had never gotten around to routinely backing up the hard disk on the 486/50 PC clone I have used in my shack for the past 15 months, nor the Mac Centris 610 that sits alongside and serves as the general-purpose computer for self and YF. I did make a copy of the station log—but kept it on the same hard disk.

Thanksgiving is a busy time: S/S phone, the holiday, CQ W/W and the ARRL 160 all jam together, and I also was busy finishing a 160m amplifier conversion. At the conclusion of the S/S phone test, I left the CT binary file in the CT folder, and did likewise at the conclusion of the CQ W/W CW and the ARRL 160 CW. A few days later, I went back to process the three logs. Holy CW, Batman: the Sweepstakes file was gone!

There was no trace of it in any directory, so I fired up PC Tools and looked for a deleted file: not a trace. I looked at every current and deleted .BIN file, looked at every file modified since the S/S: nothing. I did a disk check, struggled through minor repairs, recovered a likely candidate: garbage. The file was gone, like a stolen car: 721 Q's, 75 sections, 108,150 points. Points that won't help NCCC, nor add to my 5 Meg award total. 18 hours of contesting, and a day-and-a-half of file-searching: gone!

Today I pulled out the manual, waded through CP Backup, and backed up my precious DX logs, my contest archives, my AO (Antenna Optimizer) files and such goodies as the AUTOEXEC.BAT file. The program seemed hideously intricate, but finally backed up almost 3MB of files in 52 seconds, with 67% compression. Tomorrow we shall add some more to the hoard.

"Once bitten, twice shy," someone once said. "Better late than never," someone else said. "Censored", I said.

de N6TV:

## RFI and Cable TVI

Telephone RFI is often cured with one MIX 43 ferrite split-bead at the base of the telephone. Wind seven turns of the flat telephone wire through the bead. Cable TV TVI is often cured with a choke in the coax. The split beads are too small. Use a larger toroid (or "donut") Mix 43. Recently, I have cured two cable TV problems by using the same donut on the AC line going to the cable box. You can wrap about eight turns of AC line through one of the donuts.

If you try this idea, I'd appreciate knowing the results you had and whether or not you found any additional tricks which helped. Call or Packet me anytime.



de W6QHS

## Concurso CQWW SSB

### EA9UK Multi-Multi

For a group of NCCC contest aficionados, the question "where do we go next?" was answered with an invitation to join a multi-multi CQ World-Wide SSB operation at EA9UK in Ceuta.

Ceuta is a Spanish enclave in North Africa. Politically and geographically similar to Gibraltar, Ceuta is a hilly city on a narrow peninsula that juts eastward into the Mediterranean from the coast of Morocco. Ceuta and Gibraltar are the two legendary "pillars of Hercules" that define the boundary between the Mediterranean Sea and the Strait of Gibraltar. Ceuta is only an hour-and-a-half ferry ride from another continent and zone, and is favored with good propagation despite its surprisingly northerly latitude (35 degrees, the same as Fresno). The EA9 prefix is shared with the other Spanish North-African enclave of Mellila, further to the east on the Moroccan coast.

The combination of a rare prefix and zone, good antennas and a seasoned group of testers promised a chance at a competitive score in the "concurso", Spanish for contest. The operators were N6TJ, OH2MM, EA9LZ, EA9KF, I8CZW (KA1BQ), W6MKB, K5TSQ and NCCCers N6KT, WN4KKN, W6QHS and KK6QM, as well as a number of capable EA7 and EA9 hams who designated themselves "Grupo EA9UK" in memory of their colleague EA9UK, who passed away this year.

By various routes (K5TSQ, W6QHS and KK6QM via London to Gibraltar, N6KT via Lisbon and bus, N6TJ via Malaga, WN4KKN via Paris, London and Gibraltar, etc.) we all converged on the Spanish port of Algeciras, across the bay from Gibraltar. Relations between Gibraltar and Spain are not completely cordial, so if you fly in here you have to walk across the border and through customs with all your luggage and equipment, then take a Spanish taxi to the port. At very inexpensive fares, there is regular ferry service from Algeciras to a number of exotic-sounding North African ports, including Ceuta.

Crossing the Strait of Gibraltar, you see west out to the open Atlantic as the Rock of Gibraltar and Europe recede to the north and the Atlas mountains of Africa loom to the south. Coming into port, we scanned the hilltop skyline to see the light towers of the soccer stadium that would hold the contest antennas. After battling our way through the entreaties of a crowd of "helpers" who seemingly want to bounce your TS930 or Alpha 78 down the stairs in exchange for a tip, we found taxis and arrived at our hotels to rendezvous with the rest of our group and our local hosts. We found Ceuta to be a fascinating combination of Spanish and Muslim, but our

immediate interest was in preparing for the contest that was now three days away.

The station location on a hilltop is unique, with the operating area in the upper-floor library of a retirement residence located just across the alley from the soccer stadium with its 120' light towers. There were also two towers on the roof of "la Residencia." Already installed and ready were monoband Yagis for 10, 20, and 40, a tribander for 15 and dipoles for 80 and 160. Our group added a monobander for 15, a second monobander for 10, another dipole for 80 and a delta loop for 160. From the roof, we could see the Mediterranean both to the north and the south of us.

Available for contesting through the courtesy of its manager, Enrique, EA9KB, the Residencia is home to a substantial number of elderly people, and the soccer stadium also has to be kept ready for its normal use. Between contests, the stations and all the antennas are removed in order not to interfere with the daily use of the building and the stadium. This means that the setup for each contest involves quite a bit of hard antenna work, most of which was completed by our hosts well before we arrived.

Power for the rigs and amplifiers was installed by electricians who arrived Thursday night, the day before the start of the contest at 1:00 am local time Saturday morning. We all went to a dinner with some three dozen of the local amateurs, which lasted into the early Friday morning hours. We hadn't appreciated that much less had been arranged beforehand than we had supposed, but discussions in Spanish between our hosts and Ville, OH2MM, ended with agreement and great cordiality, and our hosts brought in additional rigs and amplifiers to complete the stations Friday evening in time for the 1:00 am start of the contest.

Without the time to resolve the usual interference problems in a large multi-multi, we relied on our experience and the few resulting glitches were resolved on-line during the contest. Conditions were good from 10 to 160, computers behaved themselves, multipliers were passed by the old-fashioned messenger method augmented by the EA9 packet connection to EA7 across the Mediterranean, and the operation proceeded as we had hoped. Outside, occasional rain squalls flooded the streets and resulted in power outages, one of 45 minutes, which were greeted by groans from all. From time to time, elderly residents peered in to see what the shouting was all about, and what was causing their TVI.

However, by the time 0000z rolled around again Monday morning, we felt we had done what we came for. We broke the old African M/M record and finished first or second in the world (VP2EC is the competition, although we had the advantage of mostly 3-point QSO's). Not thirty minutes after the end of the contest every last piece of equipment had been dismantled, claimed and packed by its owner, and we staggered off for a good night's sleep.

*(Concurso con's col 1, Page 7)*



### Here's a summary of our scoring:

	QSO	C	Z	Ops	Rigs	Antennas
160	331	9	55	18CZW (KA1BQ)	TS930/T1.922	Delta loop, dp
80	1100	24	100	K5TSQ, W6MKB	TS850/T1.922	(2) x dipole
40	2625	35	137	WN4KKN	IC781/(1) x 8877	40-2CD, dipole
20	3004	39	160	OH2MM, N6TJ	TS950/Alpha 87A	204BA, CL36, dp
15	3913	40	166	N6KT	TS850/T1.922	4 el. mono, CL36
10	2791	32	129	W6QHS	TS950/Alpha 78	105BA, 3 el. F12
	13764	179	747 = 37.8M	(2.97 points/QSO)		

(Concursus Con't from Page 6)

The trihandler was shared between 15 (daytime) and 20 (night), the 40-2CD rotator was repaired in the dark at 120' by EA9LZ, and the Alpha 78 also found use on 20 and 160. The hands were not always open, so individual operators were able to sleep a bit. Our hosts were especially impressed with Rich, N6KT, who was named "La Machina" for his rapid-fire operating style. Logging was by CT (10, 40, 160), N6TR (20, 80) and handwritten (15), with the results subsequently consolidated into CT for submission.

It was a marvelous experience for me to be in the company of operators who are "Campeones del Mundo," and we all had a superb time. When we finally awoke Monday, several of the group gathered their gear and fled to the ferry to meet work and travel commitments. The rest of us lazed about town, sightseeing and trying our hand at negotiating for souvenirs in the outdoor market.

Monday night our hosts treated us to a visit to a Moroccan tea shop, the view from the local mountains and dinner in a Moroccan restaurant. The tea shop was particularly interesting, serving sweet mint tea made with steaming water from copper urns over charcoal fires to families with children playing around the tables. It also functions as a sort of drive-in, as the locals park outside in the dark and honk their car horns to indicate they wish to be served tea.

On the return trip, WN4KKN, K5TSQ, KK6QM and W6QHS toured Gibraltar for a day, including photos of the ZB2X antennas at the lighthouse. We then flew on to London to be met by G0SLY (K3RV, in a giant left-hand-drive Chevrolet station wagon) for pints at a pub and Chinese dinner with a large group of G contesters, including G4BUO, G3SXW, G3XTT, G3MXJ, G3TXF, G4HDT, and others too

numerous to log. We admired pictures and description of the eleven towers at their multi-multi, G0KFW. We and our gear arrived safe and sound in the Bay area on the Thursday evening four days after the contest, with the pleasant memories of an adventure well-enjoyed.



Jug author W6QHS is one happy fella taking home 5 gal bucket which he says he puts his tools in to climb towers.

## Invention of the Yagi

©1963 by David M. Barton, AF6S

"Professor Yagi-san, see,"  
said Uda, a grad double-E,  
"with those dipoles in line,  
just feeding one's fine.  
The gain peaks at many dB."

## A Quad

©1993 by David M. Barton, AF6S

It's not easy to raise a quad,  
it's as tall as it is broad.  
But one on your tower  
gives real DX power,  
'til the wind strips wire from rod.



# THE GANG THAT WAS ALL THERE





## Recap of Holiday Party

About 137 happy NCCC'rs showed up for the annual Christmas Party at the Stanford (rah) Park Hotel. Well, anyway, it seemed that many from the continuous cheering going on. Santa TOM, N6BT, rollicked the crowd with his CQP quiz program that left everyone wondering if they shouldn't enroll in the local JC for a refresher course in California geography. He was assisted at the Game Board by daughter Tracy, aka "Vanna Black" wearing of course, black.

Party started with an hour's worth of spirited mingling, then the gourmet meal of stake or sammin. I had the sammin. Delish. After chocolate mousse cake, which I ate with clear conscience because moose are so low-cal, N6BT launched the hot new game "Pin The Flag on The CQP". Each table was given an envelope which contained the names of 10 California counties on separate slips. The goal was to pin the county name you got at the right spot on the large state map board held by "Vanna". A prize was awarded after each pinning. Some pretty wild re-arranging of the State was achieved--Imperial County at Trinity and two Nevada County labels on one. But as Tom explained: "If you get it right you get a prize. If you do not get it right you get another prize."



"VANNA" AND DAD SANTA PRESENTING NCCC'S NEW CONTEST, "PIN THE FLAG ON THE COUNTY"

Everyone at the table could help the pinnee, but somehow that turned out no better than the first guess. Susan Fabry, won a bag of pear chips for properly guessing that only about 20% of the labels were put where they belonged.

Santa's bag of fun and prizes were tailored to winners' choice of category, alcohol, or non, and favorite color. Special label beers were a highlight. K6TMB got Buzzard Breath. W6QHS received Wart Hog. N2ALE, Steel Head, N2MM got Brown Derby and W6SMD Amstel. Bonnie Shiller got Lemon Zest Pitted Prune drink, W6OAT received Rogue

## Treasury Notes



Financial activity thus far this fiscal year, compared with the budget approved by the Board of Directors:

	Budget	Actual
Membership Dues	\$3768.00	\$3778.00
Contributions to General Fund	-	\$ 332.00
JUG & Roster Advertisements	\$ 310.00	\$ 270.00
JUG Publishing	(\$2340.00)	(\$1126.84)
CQP	(\$ 500.00)	(\$ 326.50)
Membership Awards	(\$ 600.00)	-
Visalia Hospitality	(\$ 200.00)	-
Christmas Banquet	-	(\$ 262.40)
Awards Banquet	-	(\$ 250.00)
Other Self-Funding Events	-	\$ 1.30
Contingency Fund	(\$ 200.00)	(\$ 38.38)
<b>Total</b>	<b>\$ 238.00</b>	<b>\$2377.18</b>
+ Balance at Start of Fiscal year		+ \$2480.89
<b>Current Account Balance (General Fund):</b>		<b>\$4858.07</b>

With one exception (see below), the Club is now current on all accounts. All expenses we have incurred have been paid and all but \$28 due the club has been collected.

This report shows two new categories which were previously lumped together under "self-funding events". Those are the Christmas Banquet and the Awards Banquet, which we now believe should be tracked as separate line items. You will note that the Club ran a loss on the Christmas Banquet, which was supposed to be self-funding. Mea culpa: we did not budget properly for the bartender fee, the podium fee, the gifts for attendees, or (unsurprisingly) the "no-show" for whom the club still had to pay. (Thanks to AJ6V and WN4KKN making good on their reserved, but unused, places at the banquet.) We will take appropriate steps to ensure the Club does not incur a similar loss with the Awards Banquet.

Beer, and N16T got Cave Creek Chili Beer with a chili pepper in the bottle. I asked for "non-alcoholic and yellow" and got a bunch of bananas. N6EK got Full Sale beer. N6TU got Grand Crew, and K6AUC, Mountain Dew. BIP got Barq's Diet Root Beer and TV-Bob got the usual sack of potatoes. Vanna Black received a bag of peanuts and hot chocolate mix for her dazzling guest role, carrying the CQP pin up board.

Many thanks to Tom and to his pretty elves--his wife and daughter, for planning and hosting the fun. The turn-out included not just near-by friends, K6AUC, came all the way from across the Bay for the fun. Best in '94 to All, de W6ISQ





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